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## Product in accordance

with requirements of Directive 2004/12/CE that modifies Directive 94/62/CE about packaging related in European standard EN 13427:2000

Paper sample referenced as COATED 2 SIDES MATT BULKY, manufactured by TORRASPAPEL, S.A; CONDAT SAS; and CARTIERE del GARDA SpA (LECTA GROUP) is agree with the evaluation requirements designed for packaging, detailed in table 1.

Conformity number: 11\_SCA\_022 CP27

Issued: July 28<sup>th</sup> 2011

Service responsible

Josep Puig



**DIRECTIVE 2004/12/CE and DIRECTIVE 94/62/CE  
REQUIREMENTS**

Sample: COATED 2 SIDES MATT BULKY

Evaluation abstract:

<b>Evaluation criteria</b>	<b>Evaluation requirement</b>	<b>Declaration</b>
Requirements for measuring and verifying four heavy metals present in packaging and their release into the environment	To guarantee levels lower than maximum allowed for components (UNE CR 13695-1)	Conform
Requirements for measuring and verifying dangerous substances present in packaging and their release into the environment	To guarantee conformity with EN 13428:2000 Standard (UNE-CR 13695-2; Directive 67/548/CE ; Directive 92/32/CEE ; Directive 2001/59/CE (28 <sup>a</sup> Adaptation)	Conform
Requirements for packaging waste valorization by means of energy recovery.	To guarantee that calorific gain of waste packaging is suitable (EN 13431:2000)	Conform

**PACKAGING. Requirements for measuring and verifying the four heavy metals  
present in packaging (UNE-CR 13695-1)**

1.- SAMPLE DESCRIPTION

- COATED 2 SIDES MATT BULKY

2.- FACTORY

TORRASPAPEL, S.A; CONDAT SAS; and CARTIERE del GARDA SpA (LECTA GROUP)

3.- TEST CONDITIONS

Total digestion of sample by means of laboratory microwave MILESTONE previously treated with acids ( $\text{HNO}_3:\text{H}_2\text{O}_2:\text{HF}:\text{H}_2\text{O}$ ) in proportion 3:2:1:2.

Treatment program: total time: 115 min. Increase to 120°C and 5 min stabilization; increase to 150°C and 5 min stabilization; increase to 180°C and 5 min stabilization; increase to 200°C and 5 min stabilization and at last, increase to a 210°C and 5 min stabilization.

Determinations of heavy metals have been made by ICP-Mass spectrometry.

4.- RESULTS

Testing date: 28/07/2011

Metals	Content (ppm)
Mercury	<0,1
Cadmium	<0,1
Chromium (total)	0,66
Lead	0,14
<b>TOTAL</b>	<b>&lt; 100 ppm</b>


Results expressed in mg element/Kg material

Analysis results indicate than heavy metal content is lower than 100 ppm.

5.- CONCLUSION.

- Paper sample analysed referenced as **COATED 2 SIDES MATT BULKY** is agree with Article 11 of Directive 2004/12/CE and Directive 94/62/CE about concentration levels of heavy metals in packaging and packaging wastes.

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**PACKAGING. Requirements for measuring and verifying dangerous substances present in packaging (UNE-CR 13695-2)**

1.- SAMPLE DESCRIPTION

- COATED 2 SIDES MATT BULKY

2.- FACTORY

- TORRASPAPEL, S.A; CONDAT SAS; and CARTIERE del GARDA SpA (LECTA GROUP)

3.- CONFORMITY ANALYSIS

Paper sample doesn't present substances classified as dangerous for environment, or if presents, their concentration are lower than 0.1%, as indicated in Directive 67/548/CE, its modifications (Directive 92/32/CEE) and corresponding adaptations (Directive 2001/59/CE and Directive 1999/45/CE).

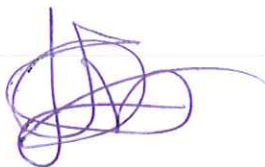
Analysis realized in July 28<sup>th</sup> 2011

4.- CONCLUSION.

- Paper sample analysed referenced as COATED 2 SIDES MATT BULKY **is agree** with EN 13428:2000 related in Directive 2004/12/CE and Directive 94/62/CE about presence of dangerous substances in packaging.

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## **PACKAGING. Requirements for packaging recoverable in the form of energy recovery, including specification of minimum inferior calorific value (UNE-EN 13431)**

### 1.- OBJECTIVE

The main requirement for packaging to be considered recoverable is that it provides the thermodynamic requirements to allow the incineration with energy recovery of packaging waste.

### 2.- SAMPLE DESCRIPTION

- COATED 2 SIDES MATT BULKY

### 3.- FACTORY

TORRASPAPEL, S.A; CONDAT SAS; and CARTIERE del GARDA SpA (LECTA GROUP)

### 4.- TEST CONDITIONS

Conformity declaration with this standard has to be reinforced by next requirements:

- Material composition. Packaging composed of more than 50% (by weight) of organic content, provides calorific gain and meets the requirements to be considered recoverable
- Calorific value, when necessary, i.e., if inorganic constituents are higher than 50% (by weight).

So, first determination is the ash content as indicated in international standard ISO 1171:1997.

Sample are conditioned and 1 g of sample are weighed to the nearest 0.1 mg. Insert the sample in the furnace at room temperature. Raise the furnace temperature to 105 °C over a period of 30 min. to dry the sample. Continue heating to 525±10°C, maintaining this

temperature for at least 60 min. When the incineration period is complete, remove the dish from the furnace and allow to cool until the weight is possible.

## 5.- RESULTS

Testing date: 28/07/2011

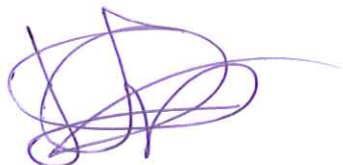
Ash content (%)	Standard deviation
36,22	0,05

Results indicate than organic matter content is 63,78 % with a confidence interval of 0,06. This sample is considered energy recoverable.

## 6.- CONCLUSION.

- Paper simple analysed, referenced as **COATED 2 SIDES MATT BULKY is considered energy recoverable**, in agree with Directive 2004/12/CE and Directive 94/62/CE.

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